

Claims

[c1] 1. A mounting apparatus for a telescope, comprising:
a mount for attachment to a telescope providing a non-circular groove;
a non-circular rail insertable in the groove of the mount;
an adjustable platform providing a second non-circular groove, adaptable for
mounting a photonic receptor device on said rail;
whereby the photonic device may be mounted and adjusted to align the
photonic device on the longitudinal optical axis of the telescope system.

[c2] The mounting apparatus of claim 1 further comprising an opaque hood
covering the space after alignment of the telescope lens eyepiece with the
photonic receptor device.

[c3] The mounting apparatus of claim 1 wherein the mount for attachment to a
telescope comprises:
a rear cell adapter providing a throat for engagement of the telescope
eyepiece;
a yoke compressively fitted around said rear cell adapter; and,
a non-circular groove on said yoke for engagement with a mounting rail.

[c4] The mounting apparatus of claim 1 wherein the non-circular rail comprises:
a lightweight elongate square member providing a groove therethrough
whereby a wrench may be inserted through the rail; and,
a space for insertion of a locking device on each end of the non-circular
rail whereby the rail may not be inadvertently removed from the yoke.

[c5] The mounting apparatus of claim 1 wherein the adjustable platform comprises:
a second groove adaptable for insertion and retention of the rail;
means for movement of photonic receptor in each of the planes
perpendicular to longitudinal optical axis of the telescope; and,
means for tilting the photonic receptor in the longitudinal optical axis of
the telescope.

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